# BibTool Quick Reference Card

## Command line options

**– *rsc_command***
Perform resource command as if given in a file.

**-A *type***
Determine key disambiguation. *type* in 0, a, A,

**-d**
Check double entries.

**-f *key_format***
Generate keys according to *key_format*

**-F**
Enable key generation with free key format.

**-h**
Print short help and exit.

**-i *input_file***
Mark a file to be processed later.

**-k**
Make keys with the short format.

**-K**
Make keys with the long format.

**-o *output_file***
Send the output to *output_file*.

**-q**
Suppress warning messages.

**-r *resource_file***
Read the resource file *resource_file*.

**-R**
Load the default resource file now.

**-s**
Sort the result.

**-S**
Sort the result in reverse order.

**-v**
Turn on verbose messages about the actions performed.

**-x *aux_file***
Extract those entries mentioned in *aux_file*.

**-X *regex***
Extract entries matching *regex*.

## General

**resource.search.path = {*dir$_1$:dir$_2$...*}**
**resource {*file*}**
**bibtex.search.path = {*dir$_1$:dir$_2$...*}**
**bibtex.env.name = {*ENV_NAME*}**
**env.separator = {*c*}**
**dir.file.separator = {*c*}**
**print {*message*}**
**quiet = *OnOff***
**verbose = *OnOff***

## Reading and Printing

**input {*bib_file*}**
**output.file = {*file*}**
**parse.exit.on.error = *OnOff***
**pass.comments = *OnOff***
**new.entry.type {*type*}**
**print.align = *n***
**print.align.key = *n***
**print.align.preamble = *n***
**print.align.comment = *n***
**print.braces = *OnOff***
**print.comma.at.end = *OnOff***
**print.deleted.entries = *OnOff***
**print.deleted.prefix = {*prefix*}**
**print.indent = *n***
**print.line.length = *n***
**print.newline = *n***
**print.parentheses = *OnOff***
**print.terminal.comma = *OnOff***
**print.use.tab = *OnOff***
**print.wide.equal = *OnOff***
**suppress.initial.newline = *OnOff***
**new.field.type {*new=old*}**
**symbol.type = *type***
upper, lower, cased

## Sorting

**sort = *OnOff***
**sort.cased = *OnOff***
**sort.reverse = *OnOff***
**sort.format = {*format*}**
**sort.order {*...*}**
**sort.macros = *OnOff***

## Searching (Extraction)

**tex.define {*macro[arg]=text*}**
**extract.file {*file*}**
**select {*field$_1$...field$_n$* "*regex*"}**
**select {*type$_1$...type$_n$* }**
**select.by.string {*field$_1$...field$_n$* "*regex*"}**
**select.by.string.ignore {*chars*}**
**select.case.sensitive = *OnOff***
**select.fields = {*field$_1$,field$_2$,...*}**

## Field Manipulation

**add.field {*field="value"*}**
**delete.field {*field*}**
**keep.field {*field*}**
**keep.field {*field if field$_2$="pattern"*}**
**rename.field {*old=new*}**
**rename.field {*old=new if field="pattern"*}**
**rewrite.rule { *pattern* }**
    delete all matching fields
**rewrite.rule { *pattern # replacement*}**
    rewrite all fields
**rewrite.rule {*f$_1$...f$_n$ # pattern # replacement*}**
    rewrite some fields
**rewrite.case.sensitive = *OnOff***
**rewrite.limit = {*n*}**

## Checks

**check.double = *OnOff***
**check.do.delete = *OnOff***
**check.rule {*field # pattern # message*}**
**check.case.sensitive = *OnOff***

## Strings

**macro.file {*file*}**
**print.all.strings = *OnOff***
**expand.macros = *OnOff***

## Inheritance

**crossref.map = *OnOff***
**clear.crossref.map {}**
**crossref.limit = {*n*}**
**expand.crossref = *OnOff***
**expand.xdata = *OnOff***

## BibTEX1.0

**apply.alias = *OnOff***
**apply.include = *OnOff***
**apply.modify = *OnOff***
**key.make.alias = *OnOff***

## Counting

**count.all = *OnOff***
**count.used = *OnOff***

## Key Generation

**preserve.keys = *OnOff***
**preserve.key.case = *OnOff***
**key.format = {*format*}**
    special values: short, long, short.need,
    long.need, empty
**key.generation = *OnOff***
**default.key = {*key*}**
**key.base = *base***
    values: upper, lower, digit
**key.number.separator = {*s*}**
**key.expand.macros = *OnOff***
**fmt.name.title = {*s*}**
**fmt.title.title = {*s*}**
**fmt.name.name = {*s*}**
**fmt.inter.name = {*s*}**
**fmt.name.pre = {*s*}**
**fmt.et.al = {*s*}**
**fmt.word.separator = {*s*}**
**new.format.type = {*n="spec"*}**

## Name Formatting Specification

Use *n* letters. Use *m* name parts. Insert *pre*
before, *mid* between, and *post* after the words.
Translate according to the s parameter ('+', '-',
'*').

**%*sn.m*f[*mid*][*pre*][*post*]**
    format first names.
**%*sn.m*v[*mid*][*pre*][*post*]**
    format "von" part.
**%*sn.m*l[*mid*][*pre*][*post*]**
    format last name.

**%*sn.m*j[*mid*][*pre*][*post*]**
    format "junior" part.

## Format Specifications

**Pseudo fields:**
**$key**
**$default.key**
**$sortkey**
**$source**
**$type**
**@type**
**$day**
**$month**
**$mon**
**$year**
**$hour**
**$minute**
**$second**
**$user**
**$hostname**
**Formatting Fields:**
**%±*x.y* n(*field*)**
    format $y$ characters of $x$ last names.
**%±*x.y* N(*field*)**
    format $y$ characters of $x$ names.
**%±*x.y* p(*field*)**
    format $x$ names according to the name format $y$.
**%±*x.y* d(*field*)**
    format at most $x$ digits of the $y^{th}$ number.
**%±*x.y* D(*field*)**
    format $x$ digits of the $y^{th}$ number without truncation.
**%±*x* s(*field*)**
    format $x$ string characters.

**%±*x.y* t(*field*)**
    format $x$ sentence words of length $y$.
**%±*x.y* T(*field*)**
    format $x$ sentence words of length $y$. (Words ignored)
**%±*x.y* w(*field*)**
    format $x$ words of length $y$.
**%±*x* W(*field*)**
    format $x$ words of length $y$. (Words ignored)
**%±*x.y* #n(*field*)**
    test whether the number of names is between $x$ and $y$.
**%±*x.y* #N(*field*)**
    test whether the number of names is between $x$ and $y$.
**%±*x.y* #p(*field*)**
    test whether the number of names is between $x$ and $y$.
**%±*x.y* #s(*field*)**
    test whether the number of characters is between $x$ and $y$.
**%±*x.y* #t(*field*)**
    test whether the number of words is between $x$ and $y$.
**%±*x.y* #T(*field*)**
    test whether the number of not ignored words is between $x$ and $y$.
**%±*x.y* #w(*field*)**
    test whether the number of words is between $x$ and $y$.
**%±*x.y* #W(*field*)**
    test whether the number of not ignored words is between $x$ and $y$.

## Libraries

| | |
|---|---|
| check_y | Check the value of the year. |
| default | All default settings. |
| field | Redefine field names. |
| brace | Use braces as delimiters. |
| improve | Apply improvements. |
| iso2tex | Translate ISO 8859/1 characters. |
| iso_def | Define ISO 8859/1 characters for formatting. |
| keep_bibtex | Keep only the fields of standard BibTeX styles. |
| keep_biblatex | Keep only the fields of standard bibLaTeX styles. |
| month | Introduce strings for month names. |
| opt | Remove OPT in field names. |
| sort_fld | Specify sort order for fields. |
| tex_def | Define TeX macros for formatting. |
| biblatex | Define entry types and fields known to bibLaTeX. |